

| | Type | L # | Hits | Search Text | DBs | Time Stamp |
|---|------|-----|---------|---|--|---------------------|
| 1 | BRS | L1 | 2896178 | (measure or measured or measuring or measurement or test or tested or testing or monitor or monitored or monitoring or detect or detected or detecting or detection or sense or sensed or sensing or sensor or transduce or transduced or transducing or determine or determining or determination or determined) near5 (condition or parameter or variable or level or magnitude or amplitude or event or state or voltage or current) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | 2007/11/06 17:26 |
| 2 | BRS | L2 | 108151 | L1 near8 (estimate or estimated or estimating or estimation or predict or predicted or predicting or prediction or forecast or forecasted or forecasting or model or modeled or modeling or simulate or simulated or simulating or simulation) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | 2007/11/06 17:26 |

| | Type | L # | Hits | Search Text | DBs | Time Stamp |
|---|------|-----|---------|---|--|---------------------|
| 3 | BRS | L3 | 930541 | (diagnose or diagnosis or diagnostic or judge or judged or judging or judgment or judgement or id or identify or identified or identifying or identification or detect or detected or detecting or detection or determine or determining or determination or determined) near5 (fault or failure or error or problem or malfunction or malfunctioning or defect or abnormal or abnormality or maintenance or maintain or maintaining or repair or repairing or overhaul or overhauled or overhauling or ((short or open or broken) near3 (circuit or conductor or path or wire))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | 2007/11/06 17:25 |
| 4 | BRS | L4 | 4724 | L2 near20 L3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | 2007/11/06 17:26 |
| 5 | BRS | L5 | 1575962 | (stimuli or stimulus or apply or applied or applying or application or charge or charged or charging) near3 (condition or parameter or variable or level or magnitude or amplitude or event or state or voltage or current) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | 2007/11/06 17:27 |

| | Type | L # | Hits | Search Text | DBs | Time Stamp |
|---|------|-----|--------|---|--|---------------------|
| 6 | BRS | L6 | 235491 | L5 near6 (rotate or rotated or rotating or rotation or circulate or circulated or circulating or circulation or replace or replaced or replacing or replacement or switch or switched or switching or change or changed or changing or alter or altered or altering or alteration or modify or modified or modifying or modification) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | 2007/11/06 17:27 |
| 7 | BRS | L7 | 142049 | L5 near10 L5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | 2007/11/06 17:25 |
| 8 | BRS | L8 | 24541 | (L5 or L6 or L7) near15 (estimate or estimated or estimating or estimation or predict or predicted or predicting or prediction or forecast or forecasted or forecasting or model or modeled or modeling or simulate or simulated or simulating or simulation) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | 2007/11/06 17:25 |
| 9 | BRS | L9 | 296 | L3 near20 L8 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | 2007/11/06 17:25 |

| | Type | L # | Hits | Search Text | DBs | Time Stamp |
|----|------|-----|------|--|--|---------------------|
| 10 | BRS | L10 | 159 | L4 and L9 <i>Scanned Ti, Ab, Kwic all</i> | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | 2007/11/06 17:27 |
| 11 | BRS | L11 | 493 | ("19813964" or "5063516" or "3808534" or "5909348" or "2758626" or "9638736" or "19526435").pn. or ((@pd>="19470101" and @pd<="19710101") and (324/76.11 or 324/500 or 324/509 or 324/510 or 324/511 or 324/600 or 702/57 or 702/58 or 702/59 or 702/64).ccls.) <i>Scanned Ti all</i> | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | 2007/11/06 17:28 |

Interference Search of L10

| | Document ID | Issue Date | Inventor | Current OR | Current XRef | Pages |
|---|----------------|------------|---------------------------|------------|--|-------|
| 1 | US 3808534 A | 19740430 | Summers; Warren S. et al. | 340/517 | 340/529; 340/636.1; 340/636.15; 340/661 | 7 |
| 2 | US 5063516 A | 19911105 | Jamoua; Saad A. et al. | 701/114 | 340/635; 702/58 | 16 |
| 3 | WO 9638736 A1 | 19961205 | ZYDEK, MICHAEL et al. | | | 20 |
| 4 | FR 2758626 A1 | 19980724 | GUEGUEN, PHILIPPE et al. | | | 10 |
| 5 | US 5909348 A | 19990601 | Zydek; Michael et al. | 361/79 | 361/191; 361/86; 361/87 | 7 |
| 6 | DE 19813964 A1 | 19990819 | BAUER, JOACHIM et al. | | | 8 |

L11 Results